

CLIMATE ACTION TEAM

Energy Working Group

Near-Term Implementation Plan

Bioenergy Action Plan

CAT Working Group Overview: The Energy Working Group of the Climate Action Team focuses its efforts on both green house gas emission reduction and adaptation actions affecting the energy sector.

Working Group Agencies: ARB, Cal/EPA, CPUC, CAISO, Energy Commission, Resources.

Measure / Strategy: Updated Bioenergy Action Plan.

- A) Description: Executive Order S-06-06 established targets for the state to produce 20 percent of its biofuels within California by 2010, 40 percent by 2020 and 75 percent by 2050. Regarding the use of biomass and biogas for electricity, the executive order sets a target for bioenergy to provide 20 percent of the state goals for renewable generation for 2010 and 2020. The first Bioenergy Action Plan was published in 2006. The 2009 IEPR recommended updating the Bioenergy Action Plan to address continuing barriers to the development and deployment of bioenergy. As lead agency in the Bioenergy Interagency Working Group, the Energy Commission is developing an updated Bioenergy Action Plan to increase the sustainable use of biomass resources. The 2010 Bioenergy Action Plan will be based on public documents, including research and policy developments in biopower and biofuels, and input from stakeholders and working group agencies.
- B) Agencies Involved: California Energy Commission, Bioenergy Interagency Working Group. The following agencies are members of the Bioenergy Interagency Working Group: Air Resources Board, California Energy Commission, California Environmental Protection Agency, California Resources Agency, California Department of Food and Agriculture, Cal Fire, Department of General Services, Cal Recycle, California Public Utilities Commission, Water Resources Control Board.
- C) Scoping Plan/Adaptation Plan Reference: None.
- D) Metrics: The primary metrics for this program will be gallons of bioenergy transportation fuels produced in California; and gigawatt hours (GWh) of renewable electricity generated from biomass and biogas feedstocks.
- E) Crosscutting Issues: Facilitate expansion of dairy digesters (CDFA, Regional Water Resources, ARB, CEC). Programmatic EIR for cow manure digesters (Regional Water Resources). Support bioenergy research efforts (CDFA, CEC, CalRecycle). Facilitate adoption of clean, renewable, farm-based energy sources (CDFA). Alternative Fuels (ARB, CEC, CPUC). Renewable resource development (CEC, CPUC, CalRecycle, ARB, CA ISO). Low Carbon Fuel Standard (ARB). IFWG Task 3: Sustainable Biomass Energy (CEC, CAL FIRE, ARB). Streamline permitting (CalEPA). Provide incentives or subsidies (CPUC, CEC).

F) Tasks and Deliverables:

1. Final report due to be published by the end of 2010.
2. Biennial progress to plan reports published as part of the IEPR (2011, 2013, etc) per E.O. S-06-06.
3. E.O. S-06-06 target dates for achieving biofuel production within California: 20 percent by 2010; 40 percent by 2020; and 75 percent by 2050.
4. E.O. S-06-06 sets a target for bioenergy to provide 20 percent of the state goals for renewable generation for 2010 and 2020.

G) SUMMARY TABLE:

Deliverable	Agencies	Deadline
CEC adoption of an updated bioenergy action plan by the end of 2010.	CEC, the bioenergy interagency working group	End of 2010.
Biennial progress to plan reports published as part of the IEPR.	CEC, the bioenergy interagency working group	2011, 2013, every two years thereafter.
E.O. S-06-06 target dates for achieving biofuel production within California: 20 percent by 2010; 40 percent by 2020; and 75 percent by 2050.	CEC, the bioenergy interagency working group.	20 percent by 2010; 40 percent by 2020; and 75 percent by 2050.
E.O. S-06-06 sets a target for biomass and biogas to provide 20 percent of the state goals for renewable generation for 2010 and 2020.	CEC, the bioenergy interagency working group.	4 percent of CA retail sales by 2010. 6.5 percent of CA retail sales by 2020.